

Fatimatus Sahroh. 2026. *Pengembangan E-Modul GlideApps Berbasis Project Based Learning pada Materi Administrasi Infrastruktur Jaringan SMKN 1 Kamal*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Puji Rahayu Ningsih, S.Pd., M.Pd.

ABSTRAK

Terbatasnya penggunaan media pembelajaran interaktif serta masih dominannya metode demonstrasi dalam pembelajaran Administrasi Infrastruktur Jaringan menjadi salah satu permasalahan yang berdampak pada rendahnya keterlibatan aktif dan kemandirian belajar peserta didik di SMKN 1 Kamal. Penelitian ini bertujuan untuk mengembangkan E-Modul *GlideApps* berbasis *Project Based Learning* (PjBL) guna meningkatkan pemahaman konsep, keterampilan praktik, serta partisipasi aktif peserta didik dalam pembelajaran berbasis proyek. Penelitian ini menggunakan metode penelitian dan pengembangan dengan model ADDIE (*Analysis, Design, Development, Implementation, Evaluation*) dengan subjek penelitian peserta didik SMKN 1 Kamal. Hasil penelitian menunjukkan bahwa E-Modul yang dikembangkan berada pada kategori sangat layak digunakan, berdasarkan penilaian ahli materi dan ahli media. Selain itu, hasil angket respons peserta didik menunjukkan kategori sangat baik, dengan persentase sebesar 93% pada uji kelompok kecil dan 96% pada uji kelompok besar. Berdasarkan hasil tersebut, dapat disimpulkan bahwa E-Modul *GlideApps* berbasis *Project Based Learning* layak digunakan sebagai media pembelajaran pada materi Administrasi Infrastruktur Jaringan di SMKN 1 Kamal.

Kata kunci: *E-Modul, GlideApps, Project Based Learning, Administrasi Infrastruktur Jaringan, ADDIE.*

Fatimatus Sahroh. 2026. Development of a Project-Based Learning-Based GlideApps E-Module on Tangerine Infrastructure Administration Material at SMKN 1 Kamal.. Thesis, Informatics Education Study Program, Faculty of Teacher Training and Education, Trunodjoyo University, Madura. Advisor: Puji Rahayu Ningsih, S.Pd., M.Pd.

ABSTRACT

The limited use of interactive learning media and the continued dominance of the demonstration method in Network Infrastructure Administration learning is one of the issues affecting the low active involvement and learning independence of students at SMKN 1 Kamal. This study aims to develop a GlideApps E-Module based on Project-Based Learning (PjBL) to enhance conceptual understanding, practical skills, and active participation of students in project-based learning. This research employs a research and development method using the ADDIE model (Analysis, Design, Development, Implementation, Evaluation) with the study subjects being students of SMKN 1 Kamal. The results indicate that the developed E-Module is in the category of highly feasible for use, based on evaluations by content experts and media experts. In addition, the results of the student response questionnaire showed a very practical category, with a percentage of 93% in the small group test and 96% in the large group test. Based on these results, it can be concluded that the Project Based Learning-based GlideApps E-Module is feasible to be used as a learning medium for Network Infrastructure Administration material at SMKN 1 Kamal.

Keywords: E-Module, GlideApps, Project Based Learning, Network Infrastructure Administration, ADDIE.